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### 1 [Bitfrost: the one laptop per child security model](#)



Ivan Krstić, Simson L. Garfinkel

July 2007 SOUPS '07: Proceedings of the 3rd symposium on Usable privacy and security

Publisher: ACM

Full text available: Pdf (500.47 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 208, Citation Count: 0

We present an integrated security model for a low-cost laptop that will be widely deployed throughout the developing world. Implemented on top of Linux operating system, the model is designed to restrict the laptop's software without restricting the ...

Key words: Bitfrost, Linux, usability

### 2 [Analyzing the energy consumption of security protocols](#)



Nachiketh R. Potlapally, Srivaths Ravi, Anand Raghunathan, Niraj K. Jha

August 2003 ISLPED '03: Proceedings of the 2003 international symposium on Low power electronics and design

Publisher: ACM

Full text available: Pdf (271.69 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 238, Citation Count: 13

Security is critical to a wide range of wireless data applications and services. While several security mechanisms and protocols have been developed in the context of the wired Internet, many new challenges arise due to the unique characteristics of ...

Key words: 3DES, AES, DES, DSA, Diffie-Hellman, ECC, RSA, SSL, cryptographic algorithms, embedded system, energy analysis, handheld, low-power, security, security protocols

### 3 [Create a Linux VPN for a Nokia E61 with openswan](#)

Ben Martin

August 2007 Linux Journal, Volume 2007 Issue 160

Publisher: Specialized Systems Consultants, Inc.

Full text available: Html (30.21 KB)

 Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 157, Citation Count: 0

Want your personal phone VPN?

4 [Anonymsense: privacy-aware people-centric sensing](#)



Cory Cornelius, Apu Kapadia, David Kotz, Dan Peebles, Minho Shin, Nikos Triandopoulos  
June 2008 MobiSys '08: Proceeding of the 6th international conference on Mobile systems, applications, and services

Publisher: ACM

Full text available: Pdf (628.13 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 118, Citation Count: 0

Personal mobile devices are increasingly equipped with the capability to sense the physical world (through cameras, microphones, and accelerometers, for example) and the, network world (with Wi-Fi and Bluetooth interfaces). Such devices offer many new ...

Keywords: anonymity, mobile sensing, opportunistic sensing, privacy

5 [Privacy-enhanced, attack-resilient access control in pervasive computing environments with optional context authentication capability](#)

Kui Ren, Wenjing Lou

January 2007 Mobile Networks and Applications, Volume 12 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: Pdf (413.79 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 218, Citation Count: 0

In pervasive computing environments (PCEs), privacy and security are two important but contradictory objectives. Users enjoy services provided in PCEs only after their privacy issues being sufficiently addressed. That is, users could not be tracked down ...

Keywords: access control, context authentication, pervasive computing environment (PCE), privacy, security

6 [Formal prototyping in early stages of protocol design](#)



Alwyn Goodloe, Carl A. Gunter, Mark-Oliver Stehr

January 2005 WITS '05: Proceedings of the 2005 workshop on Issues in the theory of security

Publisher: ACM

Full text available: Pdf (530.03 KB) Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 48, Citation Count: 2

Network protocol design is usually an informal process where debugging is based on successive iterations of a prototype implementation. The feedback provided by a prototype can be indispensable since the requirements are often incomplete at the start. ...

7 [A bluetooth infrastructure for automatic services access in ubiquitous and nomadic computing environments](#)



Massimo Ficco, Maurizio D'Arienzo, Gianni D'Angelo

October 2007 MobiWac '07: Proceedings of the 5th ACM international workshop on Mobility management and wireless access

Publisher: ACM

Full text available: Pdf (964.58 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 234, Citation Count: 0

The proliferation of mobile devices and wireless technologies pave the ground to new scenarios that

attract the interest of service providers and business operators. However, to let mobile users able to receive the same services independently from the ...

**Keywords:** Bluetooth, authentication, context-aware, ubiquitous computing, wireless LAN access

8 Secure web service federation management using tpm virtualisation



Srijith Krishnan Nair, Ivan Djordjevic, Bruno Crispo, Theo Dimitrakos

November 2007 SWS '07: Proceedings of the 2007 ACM workshop on Secure web services

Publisher: ACM

Full text available: Pdf (382.31 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 26, Downloads (12 Months): 343, Citation Count: 0

Web Services and SOA provide interoperability and architectural baseline for flexible and dynamic cross enterprise collaborations, where execution and use of the participating services contributes to the common objective. Relationships within these collaborations ...

**Keywords:** federation, membership management, security, trusted computing, web services

9 Wireless authentication using remote passwords



Andrew Harding, Timothy W. van der Horst, Kent E. Seamons

March 2008 WiSec '08: Proceedings of the first ACM conference on Wireless network security

Publisher: ACM

Full text available: Pdf (184.23 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 34, Downloads (12 Months): 148, Citation Count: 0

Current wireless authentication mechanisms typically rely on inflexible shared secrets or a heavyweight public-key infrastructure with user-specific digital certificates and, as such, lack general support for environments with dynamic user bases where ...

**Keywords:** SAW, SRP, decentralized wireless authentication

10 A pervasive architectural framework for providing remote medical treatment



D. Vassiss, P. Belsis, C. Skourlas, G. Pantziou

July 2008 PETRA '08: Proceedings of the 1st ACM international conference on Pervasive Technologies Related to Assistive Environments

Publisher: ACM

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

The proliferation of mobile devices has led to their integration into a huge number of assistive environments where they perform a key role. Pervasive environments, built over wireless infrastructures, introduce new possibilities in the healthcare sector ...

**Keywords:** medical information systems, pervasive environments

11 Securing wireless data: system architecture challenges



Srivaths Ravi, Anand Raghunathan, Nachiketh Potlapally

October 2002 ISSS '02: Proceedings of the 15th international symposium on System Synthesis

Publisher: ACM

Full text available: Pdf (172.35 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 357, Citation Count: 13

Security is critical to a wide range of current and future wireless data applications and services. This

paper highlights the challenges posed by the need for security during system architecture design for wireless handsets, and provides an overview ...



**Keywords:** 3DES, AES, DES, IPSec, RSA, SSL, WTLS, decryption, design methodology, embedded system, encryption, handset, mobile computing, performance, platform, security, security processing, system architecture, wireless communications

12 [Securing Mobile Appliances: New Challenges for the System Designer](#)

Anand Raghunathan, Srivaths Ravi, Sunil Hattangady, Jean-Jacques Quisquater

March 2003 DATE '03: Proceedings of the conference on Design, Automation and Test in Europe - Volume 1, volume 1

Publisher: IEEE Computer Society

Full text available:  [Publisher Site](#),  [Pdf](#) (257.28 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 183, Citation Count: 5

As intelligent electronic systems pervade all aspects of our lives, capturing, storing, and communicating a wide range of sensitive and personal data, security is emerging as a critical concern that must be addressed in order to enable several current ...

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